



WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau Land Resources Management

Check the status of your application: www.des.nh.gov/onestop



RSA/Rule: RSA 482-A/ Env-Wt 100-900

Wetland Use Only	Wetland Use Only	Wetland Use Only	File No.:
			Check No.:
			Amount:
			Initials:

1. REVIEW TIME: Indicate your Review Time below. To determine review time, refer to Guidance Document A for instructions.

☒ Standard Review (Minimum, Minor or Major Impact)

☐ Expedited Review (Minimum Impact only)

2. MITIGATION REQUIREMENT:

If mitigation is required a Mitigation-Pre Application meeting must occur prior to submitting this Wetlands Permit Application. To determine if Mitigation is Required, please refer to the Determine if Mitigation is Required Frequently Asked Question.

Mitigation Pre-Application Meeting Date: Month: ___ Day: ___ Year: ___

☒ N/A - Mitigation is not required

3. PROJECT LOCATION:

Separate wetland permit applications must be submitted for each municipality that wetland impacts occur within.

ADDRESS: **Route 202**

TOWN/CITY: **Peterborough**

TAX MAP:

BLOCK:

LOT:

UNIT:

USGS TOPO MAP WATERBODY NAME: **Contoocook River Reservoir**

☐ NA

STREAM WATERSHED SIZE: **wetland**

☐ NA

LOCATION COORDINATES (if known): **42.85826,-71.96318**

☒ Latitude/Longitude ☐ UTM

4. PROJECT DESCRIPTION:

Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

Replace a collapsing 24" CMP with a new plastic pipe of the same size and length, as well as replace twin 36" metal pipes that are in poor condition, that were installed around 1926 and are in need of repair, with new plastic twin 36" pipes and 5' extensions at the outlet.

5. SHORELINE FRONTAGE:

☐ NA This does not have shoreline frontage.

SHORELINE FRONTAGE: **65'**

Shoreline frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line.

6. RELATED NHDES LAND RESOURCES MANAGEMENT PERMIT APPLICATIONS ASSOCIATED WITH THIS PROJECT:

Please indicate if any of the following permit applications are required and, if required, the status of the application.

To determine if other Land Resources Management Permits are required, refer to the Land Resources Management Web Page.

Permit Type	Permit Required	File Number	Permit Application Status
Alteration of Terrain Permit Per RSA 485-A:17	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Individual Sewerage Disposal per RSA 485-A:2	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Subdivision Approval Per RSA 485-A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Shoreland Permit Per RSA 483-B	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED

7. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:

See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB **17** - **3819**

b. ☒ Designated River the project is in ¼ miles of: **Contoocook**; and
date a copy of the application was sent to the Local River Management Advisory Committee: Month: **3** Day: **14** Year: **2018**
☐ N/A

shoreland@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

8. APPLICANT INFORMATION (Desired permit holder)LAST NAME, FIRST NAME, M.I.: **Belanger, Kevin, J.**TRUST / COMPANY NAME: **NHDOT District 4**MAILING ADDRESS: **19 Base Hill Rd**TOWN/CITY: **Swansey**STATE: **NH**ZIP CODE: **03446**EMAIL or FAX: **kevin.belanger@dot.nh.gov**PHONE: **603-352-2302**ELECTRONIC COMMUNICATION: By initialing here: **KJB**, I hereby authorize NHDES to communicate all matters relative to this application electronically**9. PROPERTY OWNER INFORMATION (If different than applicant)**

LAST NAME, FIRST NAME, M.I.:

TRUST / COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically

10. AUTHORIZED AGENT INFORMATION

LAST NAME, FIRST NAME, M.I.:

COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically

11. PROPERTY OWNER SIGNATURE:

See the Instructions & Required Attachments document for clarification of the below statements

By signing the application, I am certifying that:

1. I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
2. I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
7. I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for NHPA 106 compliance.
8. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the New Hampshire Department of Environmental Services is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.
12. The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned mail.

Property Owner Signature

Print name legibly


Date

shoreland@des.nh.gov or (603) 271-2147
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

MUNICIPAL SIGNATURES**12. CONSERVATION COMMISSION SIGNATURE**

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.


	Print name legibly	Date
--	--------------------	------

DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained **prior** to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will reviewed in the standard review time frame.

13. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

	Print name legibly	Town/City	Date
Town/City Clerk Signature			

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,I

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

14. IMPACT AREA:

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact

Permanent: impacts that will remain after the project is complete.Temporary: impacts not intended to remain (and will be restored to pre-construction conditions) after the project is complete.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	500 <input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Perennial Stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	225 / 55 <input type="checkbox"/> ATF	500 / 62 <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	225 / 155	1000 / 112

15. APPLICATION FEE: See the Instructions & Required Attachments document for further instruction☐ Minimum Impact Fee: Flat fee of \$ 200☐ Minor or Major Impact Fee: Calculate using the below table belowPermanent and Temporary (non-docking) 1225 sq. ft. X \$0.20 = \$ 245.00Temporary (seasonal) docking structure: sq. ft. X \$1.00 = \$Permanent docking structure: sq. ft. X \$2.00 = \$**Projects proposing shoreline structures (including docks) add \$200 = \$****Total = \$ 245.00****The Application Fee is the above calculated Total or \$200, whichever is greater = \$ 245.00**shoreland@des.nh.gov or (603) 271-2147

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WETLANDS PERMIT APPLICATION – ATTACHMENT A
MINOR AND MAJOR - 20 QUESTIONS
 Land Resources Management
 Wetlands Bureau

Check the Status of your application: www.des.nh.gov/onestop



RSA/ Rule: RSA 482-A, Env-Wt 100-900

Env-Wt 302.04 Requirements for Application Evaluation - For any major or minor project, the applicant shall demonstrate by plan and example that the following factors have been considered in the project's design in assessing the impact of the proposed project to areas and environments under the department's jurisdiction. Respond with statements demonstrating:

1. The need for the proposed impact.

The existing 24" pipe has failed (flow is restricted) and is in need of replacement. The 36" pipes were installed around 1926 and need to be replaced. Since water is always within the pipes the condition of the 36" pipes has deteriorated over their life.

2. That the alternative proposed by the applicant is the one with the least impact to wetlands or surface waters on site.

The proposed replacements are the preferred alternative that meet the need and scope of the project. To minimize impacts and to work in a dry environment District has coordinated with the owner of the Dam that retains the reservoir and will have the water level lowered during the work period.

lrn@des.nh.gov or (603) 271-2147

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3. The type and classification of the wetlands involved.

PUB4H: Palustrine, Unconsolidated-Bottom, Organic, Permanently Flooded

PEM1E: Palustrine, Emergent, Persistent, Seasonally Flooded/Saturated

PSS1E: Palustrin Scrub-Shurb, Broad-Leaved Deciduous, Seasonally Flooded/Saturated

4. The relationship of the proposed wetlands to be impacted relative to nearby wetlands and surface waters.

The crossings convey water from wetlands to the west of the Route 202 to the Contoocook River Reservoir on the east of Route 202.

5. The rarity of the wetland, surface water, sand dunes, or tidal buffer zone area.

The Contoocook River is a Designated River.

6. The surface area of the wetlands that will be impacted.

225 s.f. permanent impacts to wetlands (PUB4H)

1000 s.f. temporary impacts to wetlands (PUB4H & PEM1E)

lm@des.nh.gov or (603) 271-2147

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7. The impact on plants, fish and wildlife including, but not limited to:

- a. Rare, special concern species;
- b. State and federally listed threatened and endangered species;
- c. Species at the extremities of their ranges;
- d. Migratory fish and wildlife;
- e. Exemplary natural communities identified by the DRED-NHB; and
- f. Vernal pools.

a-e. The results of the NH Natural Heritage Bureau database review (NHB17-3819) are enclosed. This review determined that no records for rare species, species of special concern, state listed threatened or endangered species, species at the extremities of their ranges, migratory fish and wildlife, nor exemplary natural communities were found within the project limits. Through the US Fish and Wildlife Services IPaC tool the only hit received was for the Federally listed threatened Northern Long-eared Bat. The Department with guidance from the US Army Corp of Engineers have determined that these crossings / pipes are not suitable habitat (shallow pipes filled with water) and that the replacement will likely to not adversely affect the Northern Long-eared Bat.

f. No vernal pools were identified within the project limits.

8. The impact of the proposed project on public commerce, navigation and recreation.

There will be a short period of drawdown of the reservoir so the work can be completed which will impact the recreation of the waterbody and a short term temporary traffic diversion for the installation of the pipes which will allow travelers to continue to pass through but slower.

9. The extent to which a project interferes with the aesthetic interests of the general public. For example, where an applicant proposes the construction of a retaining wall on the bank of a lake, the applicant shall be required to indicate the type of material to be used and the effect of the construction of the wall on the view of other users of the lake.

There will be a short period of drawdown of the reservoir so the work can be completed which will impact the recreation of the waterbody and a short term temporary traffic diversion for the installation of the pipes which will allow travelers to continue to pass through but slower.

10. The extent to which a project interferes with or obstructs public rights of passage or access. For example, where the applicant proposes to construct a dock in a narrow channel, the applicant shall be required to document the extent to which the dock would block or interfere with the passage through this area.

The project will improve the safety of the public highway. During construction the road will have temporary alternating one way traffic which will slow the normal travel flow, however it will only be temporary and short term and travel will remain open throughout construction.

11. The impact upon abutting owners pursuant to RSA 482-A:11, II. For example, if an applicant is proposing to rip-rap a stream, the applicant shall be required to document the effect of such work on upstream and downstream abutting properties.

There are no impacts to abutting owners; the project as proposed is to replace the degrading existing pipes that convey water from wetlands to the west of 202 to the Contoocook River Reservoir the east of 202. With the new pipes this function will continue.

12. The benefit of a project to the health, safety, and well being of the general public.

The project's purpose is to improve highway safety and upgrade outdated State assets.

13. The impact of a proposed project on quantity or quality of surface and ground water. For example, where an applicant proposes to fill wetlands the applicant shall be required to document the impact of the proposed fill on the amount of drainage entering the site versus the amount of drainage exiting the site and the difference in the quality of water entering and exiting the site.

The water quality will remain after the project. Appropriate BMPs will be installed during construction to prevent any adverse effect on water quality during construction. District has coordinated with the owner of the dam to lower the water level of the reservoir to help them work in a dry environment as well.

14. The potential of a proposed project to cause or increase flooding, erosion, or sedimentation.

The proposed work will not increase the potential for flooding, erosion, and sedimentation. The replacement pipes will be of the same size and allow the same hydraulic capacity through them as the existing pipes. The condition of the metal pipes is the driver for replacement. The new pipes are plastic, which will hold up better to conveying/ holding water in them constantly. The existing 24" pipe has collapsed slightly and restricts flow and sediment transport currently, replacing this crossing will remove that restriction and allow unobstructed flow.

15. The extent to which a project that is located in surface waters reflects or redirects current or wave energy which might cause damage or hazards.

Surface waters will not be reflected or redirected as a result of this project.

16. The cumulative impact that would result if all parties owning or abutting a portion of the affected wetland or wetland complex were also permitted alterations to the wetland proportional to the extent of their property rights. For example, an applicant who owns only a portion of a wetland shall document the applicant's percentage of ownership of that wetland and the percentage of that ownership that would be impacted.

The work consists of the replacement of existing cross pipes. There are no similar structures in the vicinity owned by other parties that would require repair.

17. The impact of the proposed project on the values and functions of the total wetland or wetland complex.

The values and functions of the wetland and wetland complex will not be altered due to the proposed work. Impacts are minimal and localized to the inlet and outlets. Water will continue to be conveyed from the wetlands to the west of 202 to the east of 202 into the Contoocook River Reservoir.

18. The impact upon the value of the sites included in the latest published edition of the National Register of Natural Landmarks, or sites eligible for such publication.

This project is not located in or near any of the following Natural Landmarks listed on the National Register: Lake Umbagog East Inlet and Floating Island, Pondicherry Wildlife Refuge, Franconia Notch, Nancy Brook Scenic Area, Heath Pond Bog, Madison Boulder, White Lake Pitch Pine Forest, Mount Monadnock, Rhododendron Natural Area, and Spruce Hole Bog.

19. The impact upon the value of areas named in acts of congress or presidential proclamations as national rivers, national wilderness areas, national lakeshores, and such areas as may be established under federal, state, or municipal laws for similar and related purposes such as estuarine and marine sanctuaries.

The Contoocook River is a waterbody subject to RSA 483-B, the Shoreland Water Quality Protection Act (SWQPA).

20. The degree to which a project redirects water from one watershed to another.

This project will not change any flow patterns nor redirect water form one watershed to another.

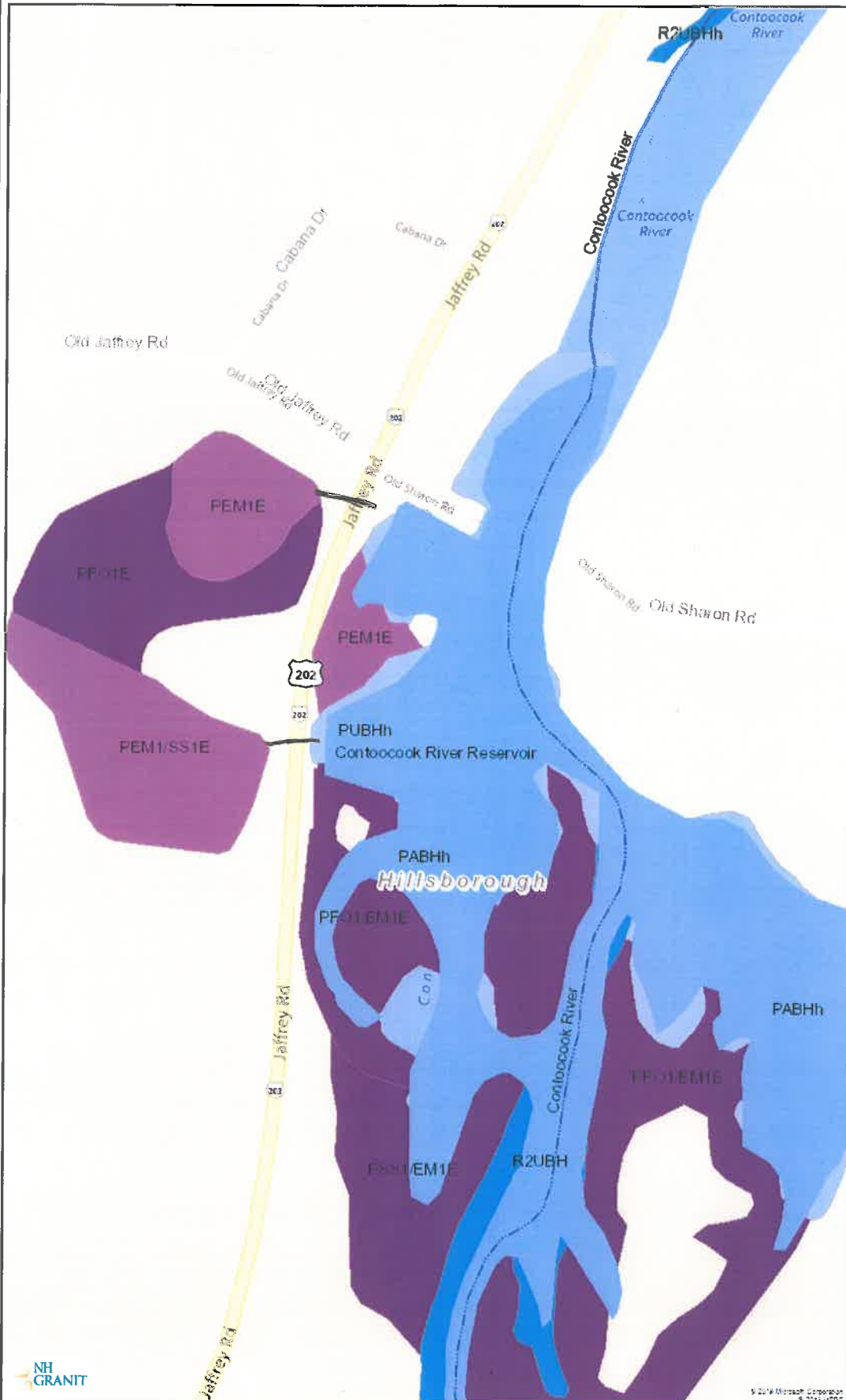
irm@des.nh.gov or (603) 271-2147

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Additional comments

Peterborough Route 202



Legend

- State
- County
- City/Town
- Stream Centerlines
 - Perennial Stream
 - Intermittent Stream
- Artificial Paths
- Water Bodies
 - Lake/Pond
 - Reservoir
 - Estuary
 - Swamp/Marsh
- Other Water Features
 - River
 - Spillway
 - Inundation Area
 - Dam/Weir
 - Canal/Ditch
 - Rapids
- NWIPlus
 - Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine

Map Scale

1: 3,247

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Map Generated: 2/9/2018



Notes





New Hampshire Natural Heritage Bureau

To: Kevin Belanger
19 Base Hill Rd
Swanzey, NH 03446

Date: 12/22/2017

From: NH Natural Heritage Bureau

Re: Review by NH Natural Heritage Bureau of request dated 12/22/2017

NHB File ID: NHB17-3819

Applicant: Kevin Belanger

Location: Tax Map(s)/Lot(s):
Peterborough

Project Description: Replace twin 36" pipes and a single 24" cmp that are failing or in poor condition.

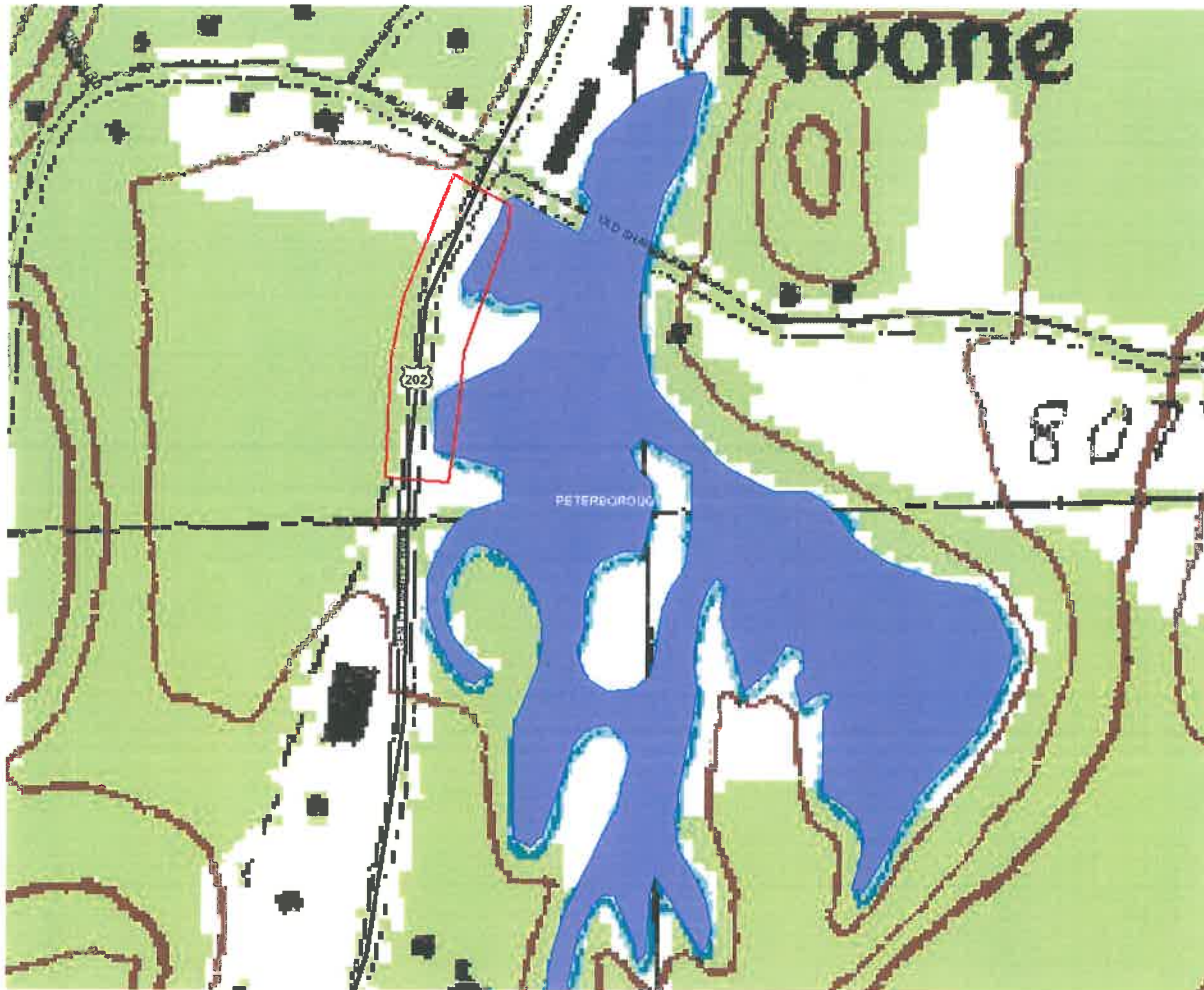
The NH Natural Heritage database has been checked for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government. We currently have no recorded occurrences for sensitive species near this project area.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

This report is valid through 12/21/2018.



MAP OF PROJECT BOUNDARIES FOR NHB FILE ID: NHB17-3819





United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:

February 12, 2018

Consultation Code: 05E1NE00-2018-SLI-0966

Event Code: 05E1NE00-2018-E-02205

Project Name: Peterborough Route 202 twin 36" & 24" wetland crossings

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2018-SLI-0966

Event Code: 05E1NE00-2018-E-02205

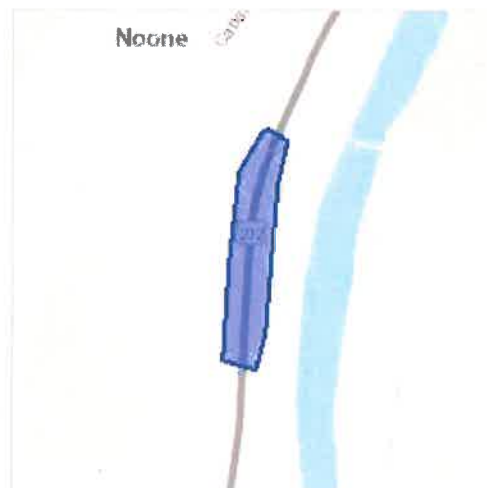
Project Name: Peterborough Route 202 twin 36" & 24" wetland crossings

Project Type: TRANSPORTATION

Project Description: Replace an existing failed 24" CMP with a new plastic pipe, and replace twin 36" pipes that are in poor condition and are in need of repair with new plastic pipes.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/42.85783860760544N71.96325809146788W>



Counties: Hillsborough, NH

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Wetland Application – NHDOT Cultural Resources Review

For the purpose of compliance with regulations of the National Historic Preservation Act, the Advisory Council on Historic Preservation's *Procedures for the Protection of Historic Properties* (36 CFR 800), the US Army Corps of Engineers' *Appendix C*, and/or state regulation RSA 227-C:9, *Directive for Cooperation in the Protection of Historic Resources*, the NHDOT Cultural Resources Program has reviewed the enclosed Standard Dredge and Fill Application for potential impacts to historic properties.

Proposed Project:

Replace a collapsing failed 24" X 55' CMP with a new plastic pipe of the same size and length and twin 36" X 45' metal pipes in poor condition (due to persistent standing water) with new plastic twin 36" pipes and add 5' extensions at outlet; crossings convey water from wetlands to the west of RT 202 to the Contoocook River Reservoir on the east side of RT 202 (Jaffrey Rd)

Above Ground Review

Known/approximate age of structure:

Twin 36" pipes installed 1926

24" Corrugated CMP pipe may have been installed about the same time

☒ No Potential to Cause Effect/No Concerns

Metal pipes of the early 20th century are widespread, and Harshbarger (2017:6-94) notes are among the least complex and ubiquitous structures" on NH highways and roads. If the pipes post-dated 1945, they would be subject to the Section 106 excluded bridge type under the Programmatic Comment. While they date to 1926, they exhibit typical features (e.g., material, shape).

☐ Concerns:

Below Ground Review

Recorded Archaeological site: ☐ Yes ☒ No

Nearest Recorded Archaeological Site Name & Number: 27-CH-0037 (no name)

☐ Pre-Contact ☒ Post-Contact

Distance from Project Area:

2.18 miles (3.5 km) southwest of project area

☒ No Potential to Cause Effect/No Concerns

Replacement pipes will be the same size and thus impacts are likely to be within previously impacted zones. Furthermore, although photos are limited, the surrounding terrain appears to be comprised of fill and graded and altered.

☐ Concerns:

Reviewed by:



3/5/2018

NHDOT Cultural Resources Staff

Date:



US Army Corps
of Engineers
New England District

U.S. Army Corps of Engineers
New Hampshire Programmatic General Permit (PGP)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to "work" include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See PGP, GC 5 regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*	✓	
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	✓	
2.2 Are there proposed impacts to SAS, shellfish beds, special wetlands and vernal pools (see PGP, GC 26 and Appendix A)? Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) website, www.nhnaturalheritage.org , specifically the book <u>Natural Community Systems of New Hampshire</u> .		✓
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	✓	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		✓
2.5 The overall project site is more than 40 acres.		✓
2.6 What is the size of the existing impervious surface area?		
2.7 What is the size of the proposed impervious surface area?		
2.8 What is the % of the impervious area (new and existing) to the overall project site?		
3. Wildlife	Yes	No
3.1 Has the NHB determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require a NHB determination.)	✓ no hits	
3.2 Would work occur in any area identified as either "Highest Ranked Habitat in N.H." or "Highest Ranked Habitat in Ecological Region"? (These areas are colored magenta and green, respectively, on NH Fish and Game's map, "2010 Highest Ranked Wildlife Habitat by Ecological Condition.") Map information can be found at: • PDF: www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm . • Data Mapper: www.granit.unh.edu . • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html .		✓
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		✓
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		✓
3.5 Are stream crossings designed in accordance with the PGP, GC 21?	wetland	crossing

4. Flooding/Floodplain Values	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?	✓	
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?	✓ no loss	
5. Historic/Archaeological Resources		
If a minor or major impact project, has a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) been sent to the NH Division of Historical Resources as required on Page 5 of the PGP?**	✓	

*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

** If project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.

Google Maps

52 Jaffrey Rd

Route 202 Peterborough

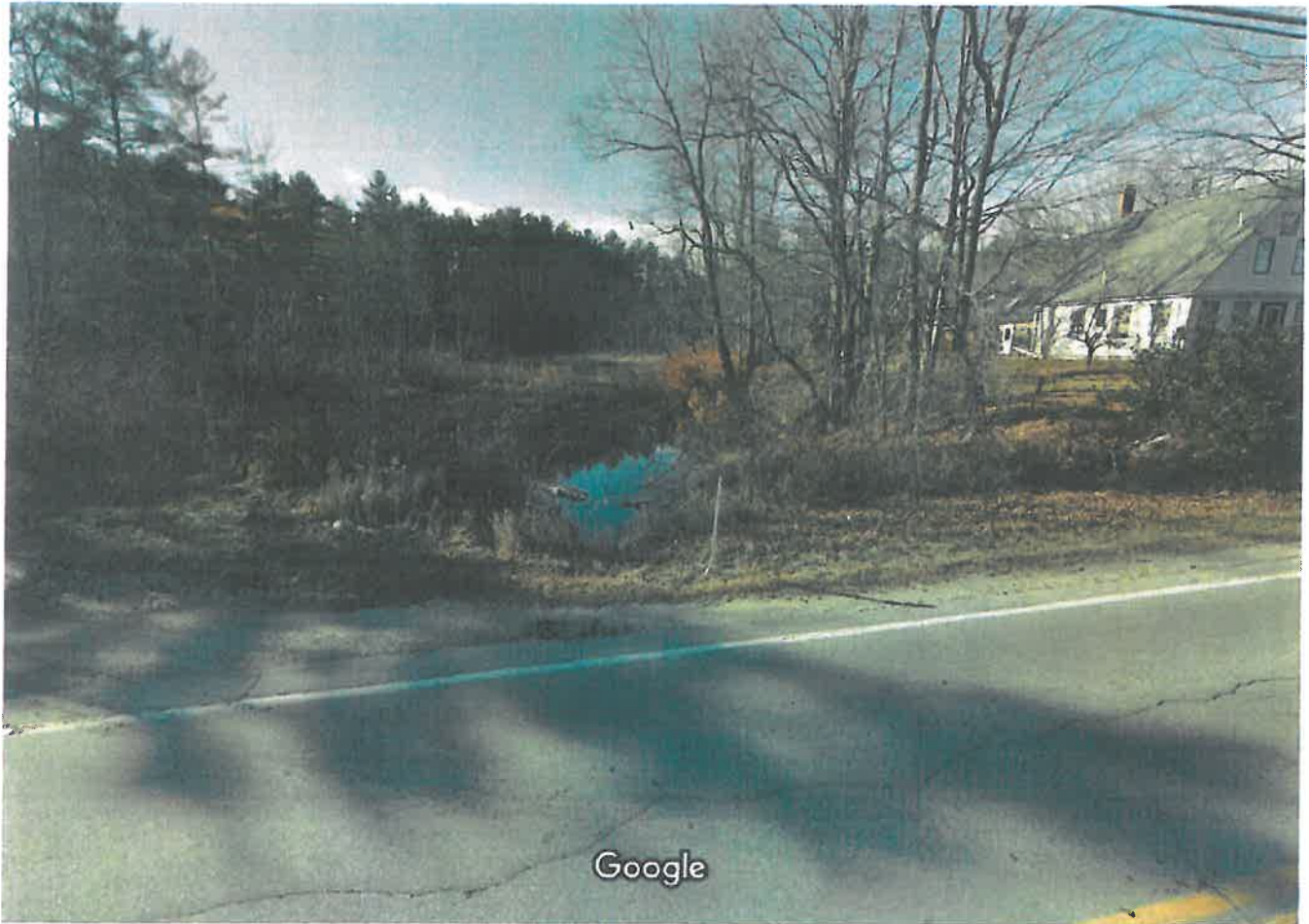


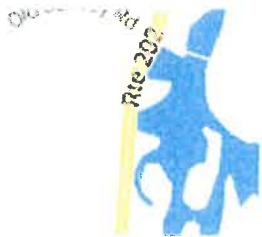
Image capture: Nov 2015 © 2017 Google

Peterborough, New Hampshire

Google, Inc.

Street View - Nov 2015

Twin 36" inlet



Note: Due to snow cover at time of pipe failure photo's did not show conditions. Google street view captured the locations in November of 2015

Google Maps 52 Jaffrey Rd



Image capture: Nov 2015 © 2017 Google

Peterborough, New Hampshire

Google, Inc.

Street View - Nov 2015



36" twin pipe outlet

Google Maps 52 Jaffrey Rd



Image capture: Nov 2015 © 2017 Google

Peterborough, New Hampshire

Google, Inc.

Street View - Nov 2015



24" pipe inlet.

Google Maps 52 Jaffrey Rd



Image capture: Nov 2015 © 2017 Google

Peterborough, New Hampshire

Google, Inc.

Street View - Nov 2015



24" pipe outlet.

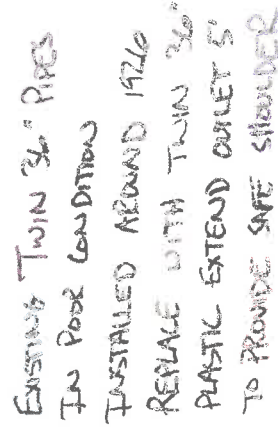
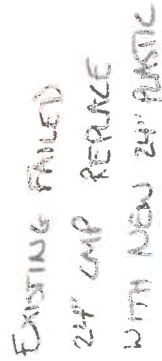
New Hampshire Department of Transportation
Bureau of Highway Maintenance
Peterborough Route 202, 3 pipes

Construction Sequence

1. Coordinate with the owner of the Noons Falls Dam to lower the water level in The Contoocook river reservoir during pipe replacement work.
2. Install erosion control measures upstream and downstream (silt socks, sand bags, etc.). If water flow exists, dam the flow and pump around the work area as needed. Proper BMP's will be evaluated and decided once water level is lowered.
3. Steps 4 to 7 will be completed for each pipe location. Single 24" and twin 36".
4. Build temporary widening as needed to shift traffic so half of the pipe(s) can be installed and backfilled.
5. Prepare sub-grade and install new plastic pipe.
6. Build Stone headwalls (if being used), backfill and make safe for traffic. Place traffic on the half that has been installed, and then install the second half of the pipe.
7. Finish slopes with humus, seed and mulch.
8. Prepare sub grade for paving utilizing flaggers and alternating traffic, pave binder.
9. Pave top.
10. Maintain erosion control measures until slopes are stabilized.

Note:

911



LEGEND

	PERMANENT IMPACTS	225	SQ-FT	167	LINEAR FT
	TEMPORARY IMPACTS	1000	SQ-FT		